

Declaration of Brugman for application of CE marking

Brugman declares, the below mentioned requirements according to EN 442-1/A1 + A1: 2003 are fulfilled:

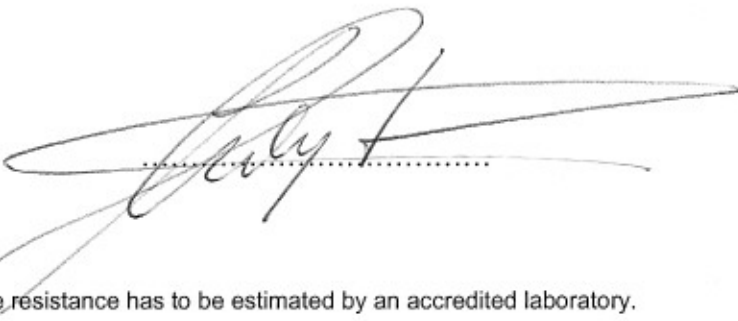
- Brugman regularly undertakes internal inspections of the production (self-monitoring) assuring and documenting the requirements mentioned in EN 442-3: 2003 clause 5.
- Resistance to fire ¹
The used materials, to manufacture our products, are considered as being class A1 to fire resistance; the quantity of organic material contained in the paints and coatings is less than 1 % (in volume or in mass) as defined in EN 442-1/A1.
- Dangerous substances
The paints are free of dangerous substances and comply with the EEC directive 76/769 EEC concerning paint material for use on construction products.
- Pressure tightness
Before leaving the factory all products are tested for pressure tightness according to EN 442 -1/A1:1996 + A1:2003 clause 5.2.
- Thermal output
All thermal outputs are according to the standard heat outputs or catalogue data estimated by the testing laboratory and issued by the appropriate test reports.
- Thermal output under differing working conditions
The technical documents contain the following equation for differing working conditions. For every type the exponent from the standard characteristic curve is mentioned:

$$\dot{Q} = \dot{Q}_{EN\ 442} \cdot \left(\frac{\Delta T}{\Delta T_{EN\ 442}} \right)^n$$

- Durableness
All surfaces in contact with the ambient air are pre-treated and covered by protective coat fulfilling the requirements according to EN 442-1:1996 + A1:2003.

Tubbergen, 1st December 2005

Laurens Wytzes
General Manager
Brugman Radiatorenfabriek B.V.



¹ If this cannot be confirmed, the class to fire resistance has to be estimated by an accredited laboratory.